

## **Regional HIV/AIDS Epidemiologic Profile of Middlesex County, Massachusetts: 2011**

### **Recent changes to the presentation of Massachusetts HIV/AIDS surveillance data**

Effective January 1, 2011, the Massachusetts Department of Public Health (MDPH), Bureau of Infectious Diseases, HIV/AIDS fact sheets, epidemiologic reports and other HIV data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed while residing in another state before being reported in Massachusetts. As of January 1, 2011, this resulted in the removal of 2,297 HIV/AIDS cases, of which 739 have died and 1,558 were living. These persons living with HIV/AIDS may currently reside and receive care in the Commonwealth. The total number of persons living in Massachusetts with HIV/AIDS, irrespective of location of diagnosis, is the basis for MDPH service planning. This change is partially a result of increased activities required by the Centers for Disease Control and Prevention (CDC) for de-duplication among states in an effort to identify cases that are counted multiple times in the National HIV/AIDS surveillance system. The cases are assigned to the state that reports the earliest date of AIDS diagnosis, if available. If the case has not progressed to AIDS, the case is assigned to the state with the earliest HIV diagnosis date. Please note that all previous HIV/AIDS fact sheets, data reports and presentations include cases that may have been first diagnosed in another state.

Also effective January 1, 2011, the Massachusetts Department of Public Health (MDPH) HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to eliminate the presumed heterosexual exposure mode category for males; those cases have been reassigned to the no identified risk (NIR) exposure mode category. The presumed heterosexual exposure mode category was used with the intention of identifying HIV exposure mode for females when sex with males is the only reported risk factor, there is no evidence of current or past injection drug use (IDU), and behavioral risk and HIV status information about male sexual partners are unknown. Twenty-nine percent of females living with HIV/AIDS and 41% of recent HIV diagnoses among females are reported in the presumed heterosexual exposure mode category. The application of the presumed heterosexual exposure mode category to males is overly inclusive in that female to male HIV transmission is biologically less probable, and there are alternate exposure modes that are possible for males, including sex with other men (MSM) or IDU. The CDC reports males diagnosed with HIV/AIDS who report sex with females as their only risk factor, without corresponding partner risk or HIV status information, in the NIR exposure mode category. This revision to report presumed heterosexual male HIV/AIDS cases as NIR will bring Massachusetts HIV/AIDS case reporting for males in alignment with CDC standards. The MDPH will maintain presumed heterosexual and heterosexual exposure mode categories for females.

**Table 1. Total number of people reported with HIV infection or AIDS<sup>1</sup> by mortality status on December 31, 2010: Middlesex County, Massachusetts<sup>2</sup>**

|   | <b>N</b>     | <b>%</b>    |
|---|--------------|-------------|
| People Living with HIV/AIDS                                       | 2,953        | 63%         |
| People Reported with HIV or AIDS who are Deceased                 | 1,751        | 37%         |
| <b>Total Number of People Reported with HIV Infection or AIDS</b> | <b>4,704</b> | <b>100%</b> |

<sup>1</sup> Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999

<sup>2</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/11

**Table 2. Average annual rate of HIV infection diagnosis from 2007 to 2009 and HIV/AIDS prevalence rate on 12/31/10<sup>1</sup>: Middlesex County, Massachusetts<sup>2</sup>**

| <b>Average annual HIV diagnosis rate from 2007–2009</b> | <b>Average rate per 100,000</b> | <b>Average annual number of HIV diagnoses</b> |
|---|---------------------------------|---|
| Middlesex County, MA                                    | 8.0                             | 117.3   |
| Massachusetts Total                                     | 9.4                             | 607.3   |

  

| <b>HIV/AIDS prevalence rate on 12/31/10</b> | <b>Rate per 100,000</b> | <b>Number of people living with HIV/AIDS</b> |
|---|-------------------------|--|
| Middlesex County, MA                        | 201.7                   | 2,953  |
| Massachusetts Total                         | 273.7                   | 17,621                                       |

<sup>1</sup> The denominators for prevalence calculations are based on year 2005 population estimates from the MDPH Bureau of Health Statistics, Research and Evaluation.

<sup>2</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/11

**Table 3. People living with HIV/AIDS<sup>1</sup>, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year<sup>2</sup>: 2000–2009, Middlesex County, Massachusetts<sup>3</sup>**

| <b>Year</b> | <b>HIV/AIDS Prevalence</b> | <b>Deaths among those with HIV/AIDS</b> | <b>Diagnosis of HIV Infection</b> |
|-------------|----------------------------|---|-----------------------------------|
| 2000        | 1,878                      | 50                                      | 190                               |
| 2001        | 1,988                      | 64                                      | 174                               |
| 2002        | 2,122                      | 41                                      | 175                               |
| 2003        | 2,257                      | 43                                      | 178                               |
| 2004        | 2,372                      | 49                                      | 164                               |
| 2005        | 2,502                      | 38                                      | 168                               |
| 2006        | 2,603                      | 42                                      | 144                               |
| 2007        | 2,701                      | 25                                      | 123                               |
| 2008        | 2,789                      | 32                                      | 120                               |
| 2009        | 2,867                      | 31                                      | 109                               |

<sup>1</sup> Number of people living with HIV/AIDS on 12/31 of each year

<sup>2</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

<sup>3</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/11

**Table 4. People diagnosed with HIV infection from 2007–2009<sup>1</sup> and people living with HIV/AIDS on December 31, 2010 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Middlesex County, Massachusetts<sup>2</sup>**

| HIV Infection Diagnoses                  |                 |                 | PLWH/A               |             |
|--|-----------------|-----------------|----------------------|-------------|
| Gender:                                  | N               | %               | N                    | %           |
| Male                                     | 249             | 71%             | 2,032                | 69%         |
| Female                                   | 103             | 29%             | 921                  | 31%         |
| Place of Birth:                          | N               | %               | N                    | %           |
| US                                       | 160             | 45%             | 1,628                | 55%         |
| Puerto Rico/US Dependency <sup>3</sup>   | 16              | 5%              | 198                  | 7%          |
| Non-US                                   | 176             | 50%             | 1,127                | 38%         |
| Race/Ethnicity:                          | N               | %               | N                    | %           |
| White (non-Hispanic)                     | 132             | 38%             | 1,344                | 46%         |
| Black (non-Hispanic)                     | 128             | 36%             | 993                  | 34%         |
| Hispanic/Latino                          | 72              | 20%             | 512                  | 17%         |
| Other/Undetermined <sup>4</sup>          | 20              | 6%              | 104                  | 4%          |
| Exposure Mode:                           | N               | %               | N                    | %           |
| Male-to-male sex (MSM)                   | 146             | 41%             | 1,070                | 36%         |
| Injection Drug Use (IDU)                 | 14              | 4%              | 427                  | 14%         |
| MSM/IDU                                  | -- <sup>7</sup> | -- <sup>7</sup> | 83                   | 3%          |
| Heterosexual Sex                         | 39              | 11%             | 408                  | 14%         |
| Other                                    | -- <sup>7</sup> | -- <sup>7</sup> | 75                   | 3%          |
| Total Undetermined                       | 138             | 39%             | 890                  | 30%         |
| • Presumed Heterosexual Sex <sup>5</sup> | 53              | 15%             | 356                  | 12%         |
| • Undetermined <sup>6</sup>              | 85              | 24%             | 534                  | 18%         |
| Age:                                     | N               | %               | N                    | %           |
|  | At Diagnosis    |                 | On December 31, 2010 |             |
| Under 13                                 | 2               | 1%              | 14                   | 0%          |
| 13 to 19                                 | 5               | 1%              | 29                   | 1%          |
| 20 to 24                                 | 34              | 10%             | 53                   | 2%          |
| 25 to 29                                 | 36              | 10%             | 114                  | 4%          |
| 30 to 34                                 | 59              | 17%             | 190                  | 6%          |
| 35 to 39                                 | 56              | 16%             | 341                  | 12%         |
| 40 to 44                                 | 52              | 15%             | 543                  | 18%         |
| 45 to 49                                 | 50              | 14%             | 651                  | 22%         |
| 50 to 54                                 | 25              | 7%              | 485                  | 16%         |
| 55 to 59                                 | 15              | 4%              | 254                  | 9%          |
| 60+                                      | 18              | 5%              | 279                  | 9%          |
| <b>Total</b>                             | <b>352</b>      | <b>100%</b>     | <b>2,953</b>         | <b>100%</b> |

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>2</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>3</sup> Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

<sup>4</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

<sup>5</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>6</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>7</sup> Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/11

**Table 5. People living with HIV/AIDS on December 31, 2010 by gender and race/ethnicity: Middlesex County, Massachusetts<sup>1</sup>**

| Race/Ethnicity:                 | Male         |             | Female     |             |
|---------------------------------|--------------|-------------|------------|-------------|
|                                 | N            | %           | N          | %           |
| White (non-Hispanic)            | 1,098        | 54%         | 246        | 27%         |
| Black (non-Hispanic)            | 476          | 23%         | 517        | 56%         |
| Hispanic/Latino                 | 378          | 19%         | 134        | 15%         |
| Other/Undetermined <sup>2</sup> | 80           | 4%          | 24         | 3%          |
| <b>Total</b>                    | <b>2,032</b> | <b>100%</b> | <b>921</b> | <b>100%</b> |

<sup>1</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/11

**Table 6. People living with HIV/AIDS on December 31, 2010 by gender and exposure mode: Middlesex County, Massachusetts<sup>1</sup>**

| Exposure Mode:                           | Male         |             | Female     |             |
|--|--------------|-------------|------------|-------------|
|  | N            | %           | N          | %           |
| Male-to-male sex (MSM)                   | 1,070        | 53%         | N/A        | N/A         |
| Injection drug use (IDU)                 | 261          | 13%         | 166        | 18%         |
| MSM/IDU                                  | 83           | 4%          | N/A        | N/A         |
| Heterosexual sex                         | 119          | 6%          | 289        | 31%         |
| Other                                    | 42           | 2%          | 33         | 4%          |
| Total Undetermined                       | 457          | 22%         | 433        | 47%         |
| • Presumed heterosexual sex <sup>2</sup> | N/A          | N/A         | 356        | 39%         |
| • Undetermined <sup>3</sup>              | 457          | 22%         | 77         | 8%          |
| <b>Total</b>                             | <b>2,032</b> | <b>100%</b> | <b>921</b> | <b>100%</b> |

<sup>1</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>3</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/11

**Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Middlesex County, Massachusetts<sup>1</sup>, 2000–2009<sup>2</sup>**

|      | Male |     | Female |     | Total |
|------|------|-----|--------|-----|-------|
|      | N    | %   | N      | %   |       |
| 2000 | 125  | 66% | 65     | 34% | 190   |
| 2001 | 115  | 66% | 59     | 34% | 174   |
| 2002 | 104  | 59% | 71     | 41% | 175   |
| 2003 | 125  | 70% | 53     | 30% | 178   |
| 2004 | 108  | 66% | 56     | 34% | 164   |
| 2005 | 114  | 68% | 54     | 32% | 168   |
| 2006 | 100  | 69% | 44     | 31% | 144   |
| 2007 | 84   | 68% | 39     | 32% | 123   |
| 2008 | 83   | 69% | 37     | 31% | 120   |
| 2009 | 82   | 75% | 27     | 25% | 109   |

<sup>1</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/11

**Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Middlesex County, Massachusetts<sup>1</sup>, 2000–2009<sup>2</sup>**

|      | White NH |     | Black NH |     | Hispanic/Latino |     | Other/<br>Undetermined <sup>3</sup> |     | Total |
|------|----------|-----|----------|-----|-----------------|-----|-------------------------------------|-----|-------|
|      | N        | %   | N        | %   | N               | %   | N                                   | %   |       |
| 2000 | 83       | 44% | 81       | 43% | 21              | 11% | 5                                   | 3%  | 190   |
| 2001 | 65       | 37% | 64       | 37% | 36              | 21% | 9                                   | 5%  | 174   |
| 2002 | 68       | 39% | 75       | 43% | 21              | 12% | 11                                  | 6%  | 175   |
| 2003 | 72       | 40% | 67       | 38% | 31              | 17% | 8                                   | 4%  | 178   |
| 2004 | 68       | 41% | 65       | 40% | 23              | 14% | 8                                   | 5%  | 164   |
| 2005 | 68       | 40% | 69       | 41% | 26              | 15% | 5                                   | 3%  | 168   |
| 2006 | 62       | 43% | 42       | 29% | 34              | 24% | 6                                   | 4%  | 144   |
| 2007 | 48       | 39% | 43       | 35% | 28              | 23% | 4                                   | 3%  | 123   |
| 2008 | 39       | 33% | 46       | 38% | 23              | 19% | 12                                  | 10% | 120   |
| 2009 | 45       | 41% | 39       | 36% | 21              | 19% | 4                                   | 4%  | 109   |

<sup>1</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

<sup>3</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity.  
NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/11

**Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Middlesex County, Massachusetts<sup>1</sup>, 2000–2009<sup>2</sup>**

|      | US              |                 | Puerto Rico/<br>US Dependency <sup>3</sup> |                 | Non-US |     | Total |
|------|-----------------|-----------------|--|-----------------|--------|-----|-------|
|      | N               | %               | N  | %               | N      | %   |       |
| 2000 | 101             | 53%             | 13   | 7%              | 76     | 40% | 190   |
| 2001 | 83              | 48%             | 13   | 7%              | 78     | 45% | 174   |
| 2002 | 72              | 41%             | 6  | 3%              | 97     | 55% | 175   |
| 2003 | 82              | 46%             | 9  | 5%              | 87     | 49% | 178   |
| 2004 | 78              | 48%             | 7  | 4%              | 79     | 48% | 164   |
| 2005 | -- <sup>4</sup> | -- <sup>4</sup> | -- <sup>4</sup>                            | -- <sup>4</sup> | 89     | 53% | 168   |
| 2006 | 80              | 56%             | 7  | 5%              | 57     | 40% | 144   |
| 2007 | -- <sup>4</sup> | -- <sup>4</sup> | -- <sup>4</sup>                            | -- <sup>4</sup> | 65     | 53% | 123   |
| 2008 | 53              | 44%             | 7  | 6%              | 60     | 50% | 120   |
| 2009 | 53              | 49%             | 5  | 5%              | 51     | 47% | 109   |

<sup>1</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

<sup>3</sup> Ninety-seven percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, <1% were born in Guam and 3% were born in an unknown dependency.

<sup>4</sup> Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/11

**Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Middlesex County, Massachusetts<sup>1</sup>, 2000–2009<sup>2</sup>**

|      | MSM |     | IDU             |                 | MSM/<br>IDU     |                 | HTSX |     | Other           |                 | Pres.<br>HTSX <sup>3</sup> |     | Undeter-<br>mined <sup>4</sup> |     | Total |
|------|-----|-----|-----------------|-----------------|-----------------|-----------------|------|-----|-----------------|-----------------|----------------------------|-----|--------------------------------|-----|-------|
|      | N   | %   | N               | %               | N               | %               | N    | %   | N               | %               | N                          | %   | N                              | %   | N     |
| 2000 | 59  | 31% | 24              | 13%             | -- <sup>5</sup> | -- <sup>5</sup> | 32   | 17% | -- <sup>5</sup> | -- <sup>5</sup> | 34                         | 18% | 36                             | 19% | 190   |
| 2001 | 51  | 29% | 22              | 13%             | -- <sup>5</sup> | -- <sup>5</sup> | 36   | 21% | -- <sup>5</sup> | -- <sup>5</sup> | 21                         | 12% | 36                             | 21% | 174   |
| 2002 | 50  | 29% | 16              | 9%              | -- <sup>5</sup> | -- <sup>5</sup> | 38   | 22% | -- <sup>5</sup> | -- <sup>5</sup> | 34                         | 19% | 35                             | 20% | 175   |
| 2003 | 63  | 35% | 17              | 10%             | -- <sup>5</sup> | -- <sup>5</sup> | 21   | 12% | -- <sup>5</sup> | -- <sup>5</sup> | 28                         | 16% | 44                             | 25% | 178   |
| 2004 | 47  | 29% | 13              | 8%              | -- <sup>5</sup> | -- <sup>5</sup> | 32   | 20% | -- <sup>5</sup> | -- <sup>5</sup> | 23                         | 14% | 42                             | 26% | 164   |
| 2005 | 56  | 33% | 16              | 10%             | 6               | 4%              | 24   | 14% | 0               | 0%              | 27                         | 16% | 39                             | 23% | 168   |
| 2006 | 58  | 40% | 19              | 13%             | -- <sup>5</sup> | -- <sup>5</sup> | 17   | 12% | -- <sup>5</sup> | -- <sup>5</sup> | 17                         | 12% | 27                             | 19% | 144   |
| 2007 | 46  | 37% | 7               | 6%              | -- <sup>5</sup> | -- <sup>5</sup> | 14   | 11% | -- <sup>5</sup> | -- <sup>5</sup> | 17                         | 14% | 36                             | 29% | 123   |
| 2008 | 48  | 40% | -- <sup>5</sup> | -- <sup>5</sup> | 5               | 4%              | 12   | 10% | -- <sup>5</sup> | -- <sup>5</sup> | 22                         | 18% | 28                             | 23% | 120   |
| 2009 | 52  | 48% | -- <sup>5</sup> | -- <sup>5</sup> | 6               | 6%              | 13   | 12% | -- <sup>5</sup> | -- <sup>5</sup> | 14                         | 13% | 21                             | 19% | 109   |

<sup>1</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available 10 year period after the implementation of HIV infection reporting in 1999.

<sup>3</sup> Includes female sex with male of unknown HIV status or risk. This category is limited to females.

<sup>4</sup> Includes male sex with female of unknown HIV status or risk, those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up.

<sup>5</sup> Numbers less than 5 for localities with populations of less than 50,000 are suppressed for the assurance of confidentiality.

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/11

**Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Middlesex County, Massachusetts<sup>1</sup>, 2000–2009<sup>2</sup>**

|       | HIV and AIDS<br>diagnosed within<br>two months | All HIV infection<br>diagnoses | % diagnosed with<br>HIV and AIDS<br>within two<br>months |
|-------|--|--------------------------------|--|
| Year: | N  | N                              | %  |
| 2000  | 75   | 190                            | 39%  |
| 2001  | 67   | 174                            | 39%  |
| 2002  | 62   | 175                            | 35%  |
| 2003  | 54   | 178                            | 30%  |
| 2004  | 60   | 164                            | 37%  |
| 2005  | 70   | 168                            | 42%  |
| 2006  | 54   | 144                            | 38%  |
| 2007  | 45   | 123                            | 37%  |
| 2008  | 35   | 120                            | 29%  |
| 2009  | 30   | 109                            | 28%  |

<sup>1</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available ten-year period after the implementation of HIV infection reporting in 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, data as of 1/1/11



**Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Middlesex County, Massachusetts,<sup>1</sup> 2007–2009<sup>2</sup>**

|  | HIV and AIDS<br>diagnosed<br>within two<br>months | All HIV infection<br>diagnoses | % diagnosed<br>with HIV and<br>AIDS within two<br>months |
|--|---|--------------------------------|--|
| <b>Gender:</b>                           | <b>N</b>  | <b>N</b>                       | <b>%</b>   |
| Male                                     | 83  | 249                            | 33%  |
| Female                                   | 27  | 103                            | 26%  |
| <b>Race/Ethnicity:</b>                   | <b>N</b>  | <b>N</b>                       | <b>%</b>   |
| White (non-Hispanic)                     | 35  | 132                            | 27%  |
| Black (non-Hispanic)                     | 38  | 128                            | 30%  |
| Hispanic/Latino                          | 31  | 72                             | 43%  |
| Other/Undetermined <sup>3</sup>          | 6   | 20                             | 30%  |
| <b>Place of Birth:</b>                   | <b>N</b>  | <b>N</b>                       | <b>%</b>   |
| US                                       | 39  | 160                            | 24%  |
| Puerto Rico/US Dependencies <sup>4</sup> | 5   | 16                             | 31%  |
| Non-US                                   | 66  | 176                            | 38%  |
| <b>Total</b>                             | <b>110</b>  | <b>352</b>                     | <b>31%</b>   |

<sup>1</sup> Effective, January 1, 2011 the Massachusetts Department of Public Health, HIV/AIDS fact sheets, epidemiologic reports, and other data presentations have been updated to remove all HIV/AIDS cases that were first diagnosed in another state before being reported in Massachusetts.

<sup>2</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis for the most recently available three-year period after the implementation of HIV infection reporting in 1999.

<sup>3</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity.

<sup>4</sup> Ninety-nine percent of people diagnosed with HIV infection from 2007–2009 who were born in a US dependency were born in Puerto Rico, <1% were born in the US Virgin Islands and <1% were born in Guam.

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), data as of 1/1/11